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CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on the below date:

Date: March 23, 2005 Name: Amir N. Penn (40,767) Signature: [Signature]

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Appln. of: Philippe Guyot-Sionnest, et al.

Appln. No.: 09/694,090

Filed: October 19, 2000

For: DOPED SEMICONDUCTOR
NANOCRYSTALS

Attorney Docket No: 7814-43

Examiner: Uhler, Nikolas, J.

Art Unit: 1773

Mail Stop Issue Fee
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

TRANSMITTAL

Attached are:

- ☒ Transmittal Letter, Statement in Response to Reasons for Allowance and Interview Summary (2 pages)
- ☒ Return Receipt Postcard

Fee calculation:

- ☒ No additional fee is required.
- ☐ Small Entity.
- ☐ An extension fee in an amount of \$_____ for a _____-month extension of time under 37 C.F.R. § 1.136(a).
- ☐ A petition or processing fee in an amount of \$_____ under 37 C.F.R. § 1.17(_____).
- ☐ An additional filing fee has been calculated as shown below:

					Small Entity			Not a Small Entity	
	Claims Remaining After Amendment		Highest No. Previously Paid For	Present Extra	Rate	Add'l Fee	or	Rate	Add'l Fee
Total		Minus			x \$25=			x \$50=	
Indep.		Minus			x 100=			x \$200=	
First Presentation of Multiple Dep. Claim					+\$180=			+\$360=	
					Total	\$		Total	\$

Fee payment:

- ☐ A check in the amount of \$_____ is enclosed.
- ☐ Please charge Deposit Account No. 23-1925 in the amount of \$_____. A copy of this Transmittal is enclosed for this purpose.
- ☐ Payment by credit card in the amount of \$_____ (Form PTO-2038 is attached).
- ☒ The Director is hereby authorized to charge payment of any additional filing fees required under 37 CFR § 1.16 and any patent application processing fees under 37 CFR § 1.17 associated with this paper (including any extension fee required to ensure that this paper is timely filed), or to credit any overpayment, to Deposit Account No. 23-1925.

3/23/05
Date

Respectfully submitted,

[Signature]
Amir N. Penn (Reg. No. 40,767)

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MAR 29 2005
PATENT & TRADEMARK OFFICE

Date of Deposit _____

Name of applicant, assignee or
Registered Representative

Signature
3/23/05

Our Case No. 7814-43

In re Application of: _____)

Philippe Guyot-Sionnest, et al.

Serial No. 09/694,090

Examiner: Uhler, Nikolas J.

Filing Date: October 19, 2000

Group Art Unit No. 1773

For DOPED SEMICONDUCTOR

NANOCRYSTALS

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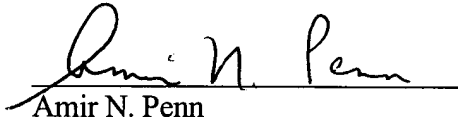
Alexandria, VA 22313-1450

Applicants hereby submit a response to the reasons for allowance and the interview summary.

Applicants note, with thanks, the Examiner's allowance of the pending claims. Applicants believe that all the claims indicated as allowed are patentable. Furthermore, other distinctions between one or more of the claims and the cited art in addition to, or in place of, the Examiner's reason for allowance may exist.

In addition, the summary of the interview dated October 8, 2004 quoted the following excerpt from "Electron and Hole Injection in PBSE Quantum Dot Films," Wehrenberg and Guyot-Sionnest, Journal of the American Chemical Society, vol. 125, 2003, p. 7806-07: "To date, we know of no studies that have achieved hole injection into quantum confined states and recorded the corresponding spectroscopic changes needed to conform to this fact." The summary of the interview states that this statement is an admission that the invention as claimed (which includes nanocrystals doped with electrons or holes) was not enabled with respect to hole doping as of the date of filing. Applicants respectfully disagree. The present application enables doping of nanocrystals with electrons and/or holes. The quotation from the article merely indicates there has not been any spectroscopic measurements which may confirm hole injection into quantum confined states.

Respectfully submitted,

A handwritten signature in dark ink, appearing to read "Amir N. Penn", is written over a horizontal line.

Amir N. Penn
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Attorney for Applicant

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